#5

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RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/020,786

DATE: 04/10/2002
TIME: 14:16:45

Input Set : A:\P1793R1.txt
Output Set: N:\CRF3\04102002\J020786.raw

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  3 <110> APPLICANT: Simmons, Laura C.
  4       Klimowski, Laura
  5       Reilly, Dorothea
  6       Yansura, Daniel G.
  8 <120> TITLE OF INVENTION: PROKARYOTICALLY PRODUCED ANTIBODIES AND USES THEREOF
 10 <130> FILE REFERENCE: P1793R1
 12 <140> CURRENT APPLICATION NUMBER: US 10/020,786
C--> 13 <141> CURRENT FILING DATE: 2002-03-26
 15 <150> PRIOR APPLICATION NUMBER: US 60/256,164
 16 <151> PRIOR FILING DATE: 2000-12-14
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 22 <212> TYPE: DNA
 23 <213> ORGANISM: Artificial sequence
 25 <220> FEATURE:
 26 <223> OTHER INFORMATION: anti-TF vector
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 33  gaactgtgtg cgcaggtaga agctttggag attatcgtca ctgcaatgct 150
 35  tcgcaatatg gcgcaaaatg accaacagcg gttgattgat caggtagagg 200
 37  gggcgctgta cgaggtaaag cccgatgcca gcattcctga cgacgatacg 250
 39  gagctgctgc gcgattacgt aaagaagtta ttgaagcatc ctcgtcagta 300
 41  aaaagttaat cttttcaaca gctgtcataa agttgtcacg gccgagactt 350
 43  atagtcgctt tgtttttatt ttttaatgta tttgtaacta gtacgcaagt 400
 45  tcacgtaaaa agggtatcta gaattatgaa gaagaatatc gcatttcttc 450
 47  ttgcatctat gttcgttttt tctattgcta caaacgcgta cgctgatatc 500
 49  cagatgaccc agtccccgag ctccctgtcc gcctctgtgg gcgatagggt 550
 51  caccatcacc tgcagagcca gtcgcgacat caagagctat ctgaactggt 600
 53  atcaacagaa accaggaaaa gctccgaaag tactgattta ctatgctact 650
 55  agtctcgctg aaggagtccc ttctcgcttc tctggatccg gttctgggac 700
 57  ggattacact ctgaccatca gcagtctgca gccagaagac ttcgcaactt 750
 59  attactgtct tcagcacgga gagtctccat ggacatttgg acagggtacc 800
 61  aaggtggaga tcaaacgaac tgtggctgca ccatctgtct tcatcttccc 850
 63  gccatctgat gagcagttga aatctggaac tgcttctgtt gtgtgcctgc 900
 65  tgaataactt ctatcccaga gaggccaaag tacagtggaa ggtggataac 950
 67  gccctccaat cgggtaactc ccaggagagt gtcacagagc aggacagcaa 1000
 69  ggacagcacc tacagcctca gcagcaccct gacgctgagc aaagcagact 1050
 71  acgagaaaca caaagtctac gcctgcgaag tcacccatca gggcctgagc 1100
 73  tcgcccgtca caaagagctt caacagggga gagtgttaat taaatcctct 1150
 75  acgccggacg catcgtggcg agctcggtac ccggggatct aggcctaacg 1200
 77  ctcggttgcc gccgggcgtt ttttattgtt gccgacgcgc atctcgaatg 1250
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 79  aactgtgtgc gcaggtagaa gctttggaga ttatcgtcac tgcaatgctt 1300
 81  cgcaatatgg cgcaaaatga ccaacagcgg ttgattgatc aggtagaggg 1350
 83  ggcgctgtac gaggtaaagc ccgatgccag cattcctgac gacgatacgg 1400
 85  agctgctgcg cgattacgta aagaagttat tgaagcatcc tcgtcagtaa 1450
 87  aaagttaatc ttttcaacag ctgtcataaa gttgtcacgg ccgagactta 1500
 89  tagtcgcttt gtttttattt tttaatgtat ttgtaactag tacgcaagtt 1550
 91  cacgtaaaaa gggtatctag aattatgaag aagaatatcg catttcttct 1600
 93  tgcatctatg ttcgtttttt ctattgctac aaacgcgtac gctgaggttc 1650
 95  agctggtgga gtctggcggt ggcctggtgc agccaggggg ctcactccgt 1700
 97  ttgtcctgtg cagcttctgg cttcaatatt aaggagtact acatgcactg 1750
 99  ggtccgtcag gccccgggta agggcctgga atgggttgga ttgattgatc 1800
101  cagagcaagg caacacgatc tatgacccga agttccagga ccgtgccact 1850
103  ataagcgctg acaattccaa aaacacagca tacctgcaga tgaacagcct 1900
105  gcgtgctgag gacactgccg tctattattg tgctcgagac acggccgctt 1950
107  acttcgacta ctggggtcaa ggaaccctgg tcaccgtctc ctcggcctcc 2000
109  accaagggcc catcggtctt cccctggca ccctcctcca agagcacctc 2050
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113  cggtgacggt gtcgtggaac tcaggcgccc tgaccagcgg cgtgcacacc 2150
115  ttcccggctg tcctacagtc ctcaggactc tactccctca gcagcgtggt 2200
117  gactgtgccc tctagcagct tgggcaccca gacctacatc tgcaacgtga 2250
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123  gggaccgtca gtcttcctct tccccccaaa acccaaggac accctcatga 2400
125  tctcccggac ccctgaggtc acatgcgtgg tggtggacgt gagccacgaa 2450
127  gaccctgagg tcaagttcaa ctggtacgtg gacggcgtgg aggtgcataa 2500
129  tgccaagaca aagccgcggg aggagcagta caacagcacg taccgtgtgg 2550
131  tcagcgtcct caccgtcctg caccaggact ggctgaatgg caaggagtac 2600
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139  aaaggcttct atcccagcga catcgccgtg gagtgggaga gcaatgggca 2800
141  gccggagaac aactacaaga ccacgcctcc cgtgctggac tccgacggct 2850
143  ccttcttcct ctacagcaag ctcaccgtgg acaagagcag gtggcagcag 2900
145  gggaacgtct tctcatgctc cgtgatgcat gaggctctgc acaaccacta 2950
147  cacgcagaag agcctctccc tgtctccggg taaataagca tgcgacggcc 3000
149  ctagagtccc taacgctcgg ttgccgccgg gcgtttttta ttgttaactc 3050
151  atgtttgaca gcttatcatc gataagcttt aatgcggtag tttatcacag 3100
153  ttaaattgct aacgcagtca ggcaccgtgt atgaaatcta acaatgcgct 3150
155  catcgtcatc ctcggcaccg tcaccctgga tgctgtaggc ataggcttgg 3200
157  ttatgccggt actgccgggc ctcttgcggg atatcgtcca ttccgacagc 3250
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162 <211> LENGTH: 3300
163 <212> TYPE: DNA
164 <213> ORGANISM: Artificial sequence
166 <220> FEATURE:
167 <223> OTHER INFORMATION: anti-VEGF vector
169 <400> SEQUENCE: 2
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RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/020,786

DATE: 04/10/2002
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Input Set : A:\P1793R1.txt
Output Set: N:\CRF3\04102002\J020786.raw

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174 gaactgtgtg cgcaggtaga agctttggag attatcgtca ctgcaatgct 150
176 tcgcaatatg gcgcaaaatg accaacagcg gttgattgat caggtagagg 200
178 gggcgctgta cgaggtaaag cccgatgcca gcattcctga cgacgatacg 250
180 gagctgctgc gcgattacgt aaagaagtta ttgaagcatc ctcgtcagta 300
182 aaaagttaat cttttcaaca gctgtcataa agttgtcacg gccgagactt 350
184 atagtcgctt tgtttttatt ttttaatgta tttgtaacta gtacgcaagt 400
186 tcacgtaaaa agggtatcta gaattatgaa gaagaatatc gcatttcttc 450
188 ttgcatctat gttcgttttt tctattgcta caaacgcgta cgctgatatc 500
190 cagttgaccc agtccccgag ctccctgtcc gcctctgtgg gcgatagggt 550
192 caccatcacc tgcagcgcaa gtcaggatat tagcaactat ttaaactggt 600
194 atcaacagaa accaggaaaa gctccgaaag tactgattta cttcacctcc 650
196 tctctccact ctggagtccc ttctcgcttc tctggatccg gttctgggac 700
198 ggatttcact ctgaccatca gcagtctgca gccagaagac ttcgcaactt 750
200 attactgtca acagtatagc accgtgccgt ggacgtttgg acagggtacc 800
202 aaggtggaga tcaaacgaac tgtggctgca ccatctgtct tcatcttccc 850
204 gccatctgat gagcagttga aatctggaac tgcttctgtt gtgtgcctgc 900
206 tgaataactt ctatcccaga gaggccaaag tacagtggaa ggtggataac 950
208 gccctccaat cgggtaactc ccaggagagt gtcacagagc aggacagcaa 1000
210 ggacagcacc tacagcctca gcagcaccct gacgctgagc aaagcagact 1050
212 acgagaaaca caaagtctac gcctgcgaag tcacccatca gggcctgagc 1100
214 tcgcccgtca caaagagctt caacagggga gagtgttaat taaatcctct 1150
216 acgccggacg catcgtggcg agctcggtac ccggggatct aggcctaacg 1200
218 ctcggttgcc gccgggcgtt ttttattgtt gccgacgcgc atctcgaatg 1250
220 aactgtgtgc gcaggtagaa gctttggaga ttatcgtcac tgcaatgctt 1300
222 cgcaatatgg cgcaaaatga ccaacagcgg ttgattgatc aggtagaggg 1350
224 ggcgctgtac gaggtaaagc ccgatgccag cattcctgac gacgatacgg 1400
226 agctgctgcg cgattacgta aagaagttat tgaagcatcc tcgtcagtaa 1450
228 aaagttaatc ttttcaacag ctgtcataaa gttgtcacgg ccgagactta 1500
230 tagtcgcttt gtttttattt tttaatgtat ttgtaactag tacgcaagtt 1550
232 cacgtaaaaa gggtatctag aattatgaag aagaatatcg catttcttct 1600
234 tgcatctatg ttcgtttttt ctattgctac aaacgcgtac gctgaggttc 1650
236 agctggtgga gtctggcggt ggcctggtgc agccaggggg ctcactccgt 1700
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242 cctataccgg tgaaccgacc tatgctgcgg atttcaaacg tcgtttcact 1850
244 ttttctttag acacctccaa aagcacagca tacctgcaga tgaacagcct 1900
246 gcgcgctgag gacactgccg tctattactg tgcaaagtac ccgtactatt 1950
248 acggcacgag ccactggtat ttcgacgtct ggggtcaagg aaccctggtc 2000
250 accgtctcct cggcctccac caagggccca tcggtcttcc ccctggcacc 2050
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258 ctccctcagc agcgtggtga ctgtgccctc tagcagcttg ggcacccaga 2250
260 cctacatctg caacgtgaat cacaagccca gcaacaccaa ggtggacaag 2300
262 aaagttgagc ccaaatcttg tgacaaaact cacacatgcc caccgtgccc 2350
264 agcacctgaa ctcctggggg gaccgtcagt cttcctcttc cccccaaaac 2400
266 ccaaggacac cctcatgatc tcccggaccc ctgaggtcac atgcgtggtg 2450
268 gtggacgtga gccacgaaga ccctgaggtc aagttcaact ggtacgtgga 2500

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Input Set : A:\P1793R1.txt
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270 cggcgtggag gtgcataatg ccaagacaaa gccgcgggag gagcagtaca 2550
272 acagcacgta ccgtgtggtc agcgtcctca ccgtcctgca ccaggactgg 2600
274 ctgaatggca aggagtacaa gtgcaaggtc tccaacaaag ccctcccagc 2650
276 ccccatcgag aaaaccatct ccaaagccaa agggcagccc cgagaaccac 2700
278 aggtgtacac cctgccccca tcccgggaag agatgaccaa gaaccaggtc 2750
280 agcctgacct gcctggtcaa aggcttctat cccagcgaca tcgccgtgga 2800
282 gtgggagagc aatgggcagc cggagaacaa ctacaagacc acgcctcccg 2850
284 tgctggactc cgacggctcc ttcttcctct acagcaagct caccgtggac 2900
286 aagagcaggt ggcagcaggg gaacgtcttc tcatgctccg tgatgcatga 2950
288 ggctctgcac aaccactaca cgcagaagag cctctccctg tctccgggta 3000
290 aataagcatg cgacggccct agagtcccta acgctcggtt gccgccgggc 3050
292 gtttttttatt gttaactcat gtttgacagc ttatcatcga taagctttaa 3100
294 tgcggtagtt tatcacagtt aaattgctaa cgcagtcagg caccgtgtat 3150
296 gaaatctaac aatgcgctca tcgtcatcct cggcaccgtc accctggatg 3200
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300 atcgtccatt ccgacagcat cgccagtcac tatggcgtgc tgctagcgct 3300
302 <210> SEQ ID NO: 3
303 <211> LENGTH: 35
304 <212> TYPE: DNA
305 <213> ORGANISM: Artificial sequence
307 <220> FEATURE:
308 <223> OTHER INFORMATION: probe
310 <400> SEQUENCE: 3
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313 <210> SEQ ID NO: 4
314 <211> LENGTH: 28
315 <212> TYPE: DNA
316 <213> ORGANISM: Artificial sequence
318 <220> FEATURE:
319 <223> OTHER INFORMATION: probe
321 <400> SEQUENCE: 4
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324 <210> SEQ ID NO: 5
325 <211> LENGTH: 33
326 <212> TYPE: DNA
327 <213> ORGANISM: Artificial sequence
329 <220> FEATURE:
330 <223> OTHER INFORMATION: probe
332 <400> SEQUENCE: 5
333 tgcacggtta acatgctgtg gtgtcatggt cgg 33
335 <210> SEQ ID NO: 6
336 <211> LENGTH: 27
337 <212> TYPE: DNA
338 <213> ORGANISM: Artificial sequence
340 <220> FEATURE:
341 <223> OTHER INFORMATION: probe
343 <400> SEQUENCE: 6
344 tttaccgtta acaaacatcg ccggaac 27
346 <210> SEQ ID NO: 7

RAW SEQUENCE LISTING
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Input Set : A:\P1793R1.txt
Output Set: N:\CRF3\04102002\J020786.raw

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<211> LENGTH: 237
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             20                  25                  30
Pro Ser Ser Leu Ser Ala Ser Val Gly Asp Arg Val Thr Ile Thr
         35                  40                  45
Cys Arg Ala Ser Arg Asp Ile Lys Ser Tyr Leu Asn Trp Tyr Gln
     50                  55                  60
Gln Lys Pro Gly Lys Ala Pro Lys Val Leu Ile Tyr Tyr Ala Thr
 65                  70                  75
Ser Leu Ala Glu Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser
             80                  85                  90
Gly Thr Asp Tyr Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp
         95                 100                 105
Phe Ala Thr Tyr Tyr Cys Leu Gln His Gly Glu Ser Pro Trp Thr
    110                 115                 120
Phe Gly Gln Gly Thr Lys Val Glu Ile Lys Arg Thr Val Ala Ala
125                 130                 135
Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu Lys Ser
            140                 145                 150
Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg
        155                 160                 165
Glu Ala Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly
    170                 175                 180
Asn Ser Gln Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr
185                 190                 195
Tyr Ser Leu Ser Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu
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Lys His Lys Val Tyr Ala Cys Glu Val Thr His Gln Gly Leu Ser
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Ser Pro Val Thr Lys Ser Phe Asn Arg Gly Glu Cys
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<210> SEQ ID NO: 9
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<212> TYPE: PRT

VERIFICATION SUMMARY
PATENT APPLICATION: **US/10/020,786**

DATE: 04/10/2002
TIME: 14:16:46

Input Set : **A:\P1793R1.txt**
Output Set: **N:\CRF3\04102002\J020786.raw**

L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date